

AMENDMENTS TO THE CLAIMS

1. (*Currently Amended*) A triangulation-type optical displacement sensor having at least one light-emitting element for projecting light onto at least one target to which one or more distances being measured, and at least one light-receiving element for receiving at least a portion of the light reflected from at least one of the distance measurement targets and being disposed such that at least one light-receiving surface thereof is substantially perpendicular to at least one optical axis of at least a portion of the projected light, comprising:

at least one slit for narrowing at least one light beam projected toward at least one of the distance measurement targets, and said at least one slit for narrowing at least a portion of the light reflected from said at least one of the distance measurement targets, wherein said at least one slit for narrowing at least one light beam projected toward said at least one of the distance measurement targets is independent from said at least one slit for narrowing at least a portion of the light reflected from said at least one of the distance measurement targets.

2. (*Currently Amended*) A triangulation-type optical displacement sensor having at least one light-emitting element for projecting light onto at least one target to which one or more distances being measured, and at least one light-receiving element for receiving at least a portion of the light reflected from at least one of the distance measurement targets and being disposed such that at least one light-receiving surface thereof is substantially perpendicular to at least one optical axis of at least a portion of the projected light, said at least one light-receiving element having a length that is longer than its width, comprising:

at least one straight and narrow slit for narrowing at least one light beam projected toward at least one of the distance measurement targets, and at least one light collecting element collecting at least a portion of the light reflected from at least one of the distance measurement targets, wherein said at least one slit has an opening that is long in a direction perpendicular to the length direction of the light-receiving element.

3. (*Previously Presented*) The optical displacement sensor according to claim 2,

wherein said at least one of the light collecting elements is a cylindrical lens.

4. (*Currently Amended*) An optical displacement sensor according to claim 1,

wherein at least one filter being arranged at ~~the~~ an exit side of at least one of the slits narrowing at least one of the light beams projected toward at least one of the distance measurement targets, and said at least one filter being arranged at the incident side of at least said one of the slits narrowing at least a portion of the light reflected from at least one of the distance measurement targets, wherein each of said filters are in contact with a surface of the optical displacement sensor having respective slits.

5. (*Currently Amended*) The optical displacement sensor according to claim 2,

wherein ~~said~~ at least one filter ~~being~~ is arranged at an exit side of at least one of the slits narrowing said at least one of the light beams projected toward at least one of the distance measurement targets, wherein said at least one filter is in contact with a surface of the optical displacement sensor having the respective at least one of the slits.

6. *(Currently Amended)* The optical displacement sensor according to claim 3,
 wherein ~~said~~ at least one filter ~~being~~ is arranged at an exit side of at least one of the slits
narrowing said at least one of the light beams projected toward at least one of the distance
measurement targets, wherein said at least one filter is in contact with a surface of the optical
displacement sensor having the respective at least one of the slits.